Electronic Version
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Claims

[c1] 1. A bicycle twist-grip shift control device comprising:
a base member for attachment to the bicycle;
a twist-grip operating member rotatably supported relative to the base member for rotating in first and second directions around an operating member axis;
a transmission control member rotatably mounted relative to the base member for controlling the pulling and releasing of a transmission control element, wherein the transmission control member rotates around a transmission control member axis that is substantially parallel to the operating member axis in response to rotation of the operating member; and
an intermediate member that moves in a direction of an intermediate member axis in response to rotation of the operating member, wherein the intermediate member includes an intermediate member detent for maintaining a rotational position of the operating member and the transmission control member.

[c2] 2. The device according to claim 1 wherein the operating member axis is spaced apart from the transmission control member axis.

[c3] 3. The device according to claim 2 wherein the operating member axis is substantially coaxial with the intermediate member axis.

[c4] 4. The device according to claim 3 wherein the intermediate member is substantially nonrotatable relative to the base member.

[c5] 5. The device according to claim 4 wherein the operating member includes a gear portion that meshes with a gear portion of the transmission control member.

[c6] 6. The device according to claim 5 wherein the operating member includes an operating member detent that engages the intermediate member detent for maintaining the rotational position of the operating member and the transmission control member.

[c7] 7. The device according to claim 2 wherein the intermediate member axis is substantially coaxial with the transmission control member axis.

[c8] 8. The device according to claim 7 wherein the intermediate member is substantially nonrotatable relative to the base member.

[c9] 9. The device according to claim 8 wherein the operating member includes a gear portion that meshes with a gear

portion of the transmission control member.

[c10] 10. The device according to claim 9 wherein the transmission control member includes a transmission control member detent that engages the intermediate member detent for maintaining the rotational position of the operating member and the transmission control member.